

# OKLAHOMA

## Science and Engineering Profile

	Oklahoma	U.S.	Rank		Oklahoma	U.S.	Rank
Doctoral scientists, 1993	3,945	430,332	30	Total R&D performance, 1993 (millions)	\$533	\$161,427	32
Doctoral engineers, 1993	928	81,293	26	Industry R&D, 1993 (millions)	\$311	\$117,622	33
S&E doctorates awarded, 1993	215	25,409	31	Academic R&D, 1993 (millions)	\$173	\$19,489	31
of which, in engineering	26%	22%		of which, in life sciences	46%	55%	
in life sciences	21%	24%		in engineering	21%	16%	
in psychology	17%	13%		in physical sciences	9%	11%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	162	34,394	32	expenditures, 1993 (millions)	\$1,443	\$163,994	33
S&E graduate students, 1993				Number of SBIR awards, 1990-93	43	13,995	32
in doctorate-granting institutions	4,927	438,128	29	Patents issued to state residents, 1994	545	56,039	25
Population, 1994 (000s)	3,258	260,341	28	Gross state product, 1992 (billions)	\$60.2	\$5,994.1	29
Civilian labor force, 1994 (000s)	1,540	131,013	30	of which, agriculture	3%	2%	
Personal income per capita, 1994	\$17,744	\$21,809	44	manufacturing, mining, construction	24%	23%	
Federal spending				transportation, communication, utilities	10%	9%	
Total expenditures 1994 (millions)	\$15,718	\$1,284,896	29	wholesale and retail trade	16%	16%	
R&D obligations 1993 (millions)	\$118	\$65,394	38	finance, insurance, real estate	15%	18%	
				services	16%	20%	
				government	16%	12%	

Rankings and totals are based on data for the 50 States and D.C.

## Federal Obligations for Research and Development in Oklahoma by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	117,908	34,311	0	25,377	41,609	15,119	1,492	38
<b>Department of Agriculture</b>	16,170	9,061	0	0	7,064	0	45	29
<b>Department of Commerce</b>	4,043	3,245	0	542	256	0	0	24
<b>Department of Defense</b>	25,055	5,545	0	16,678	2,490	342	0	35
<b>Department of Energy</b>	18,615	1,894	0	1,853	7,050	7,818	0	27
<b>Dept. of Health &amp; Human Services</b>	22,544	0	0	558	14,671	6,879	436	39
<b>Department of the Interior</b>	4,879	4,458	0	0	401	0	20	41
<b>Department of Transportation</b>	10,523	6,660	0	2,240	632	0	991	13
<b>Environmental Protection Agency</b>	7,372	3,025	0	3,406	941	0	0	14
<b>Nat'l Aeronautics &amp; Space Admin.</b>	838	423	0	0	400	15	0	44
<b>National Science Foundation</b>	7,869	0	0	100	7,704	65	0	37
<b>State rank</b>	38	40	na	35	38	24	40	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.